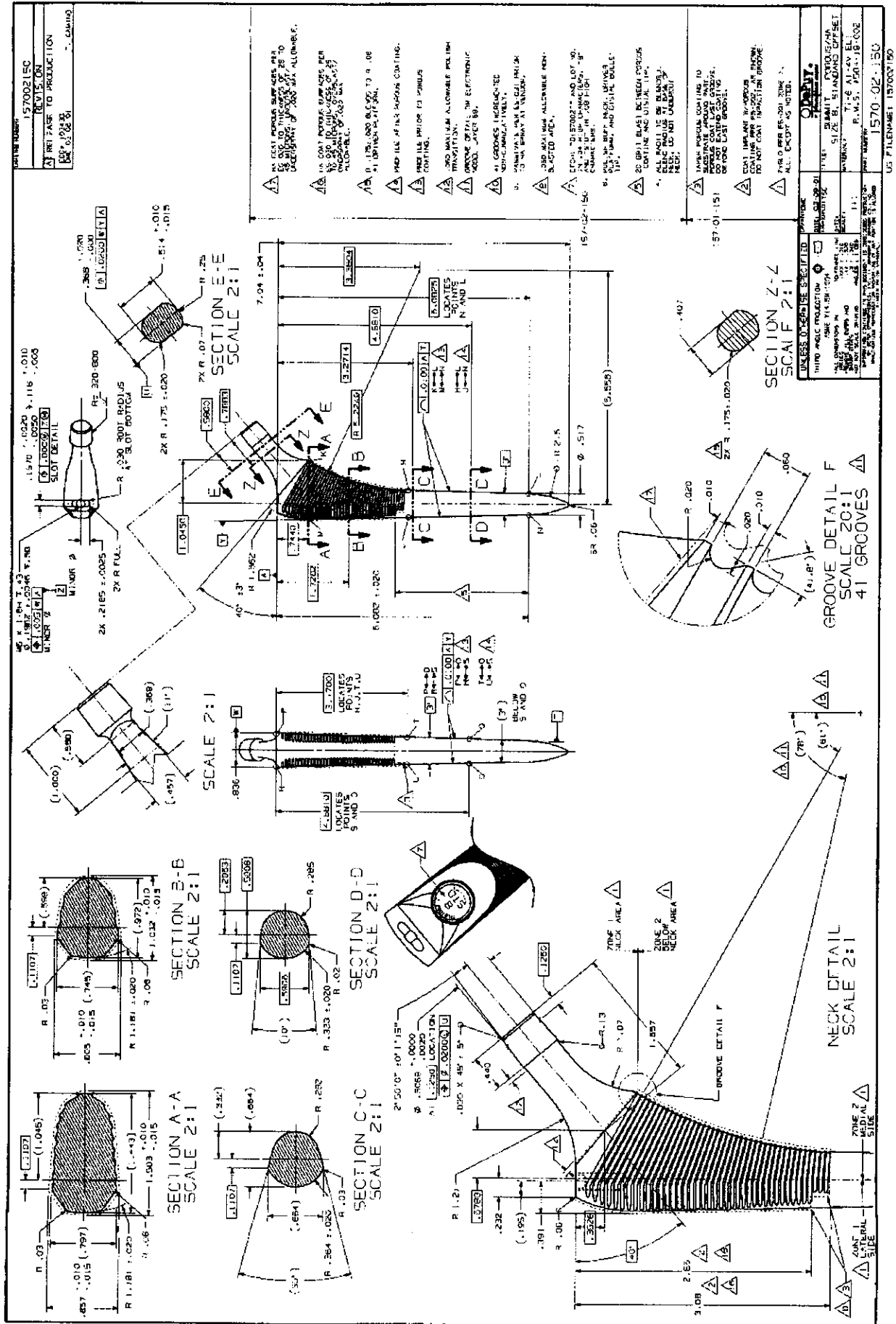


Status: Production

Printed By: Dave Temple



Rev: A ECO103438

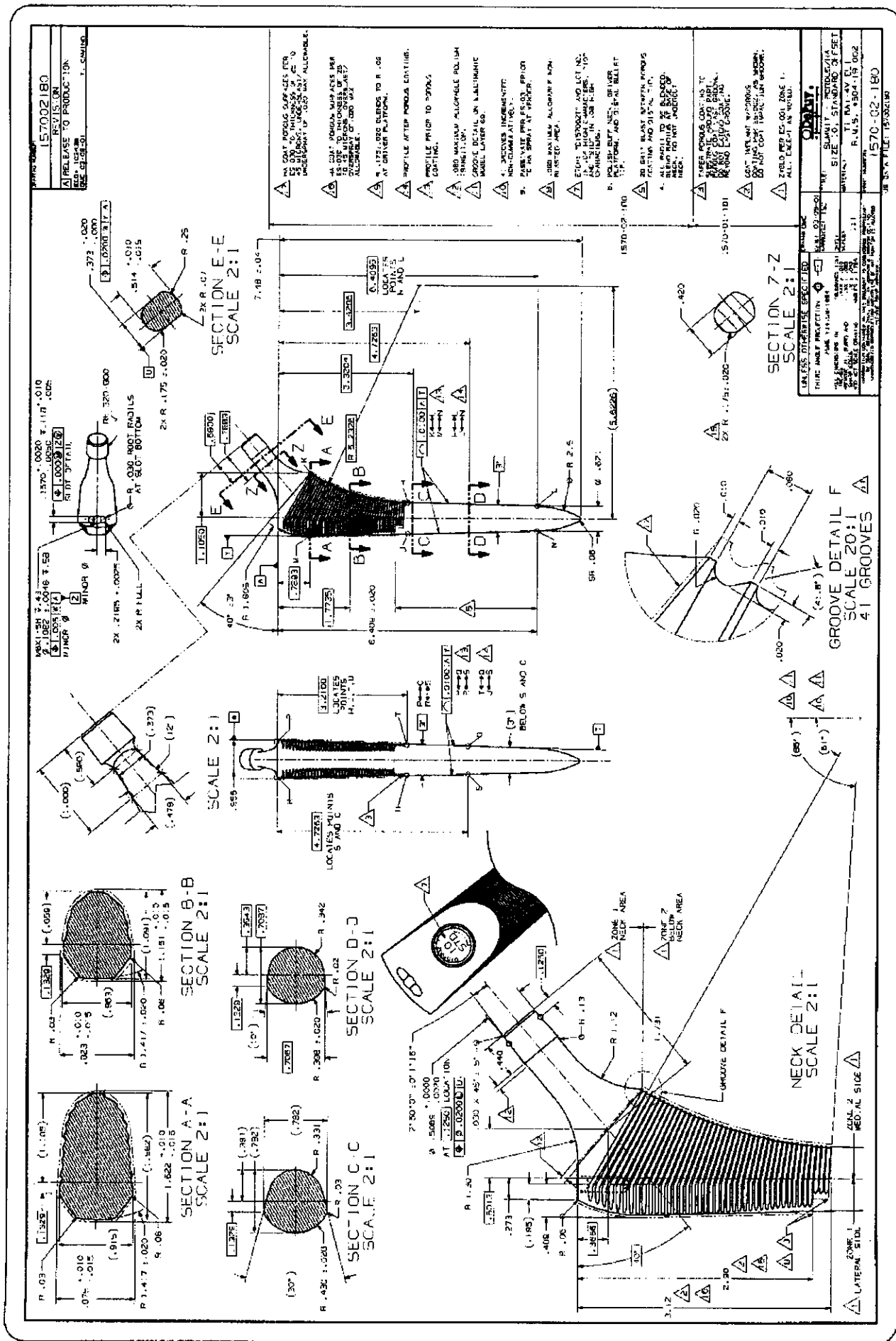
Number: DWG-157002070

Status: Production

Printed By: Dave Temple



Number: DWG-157002070



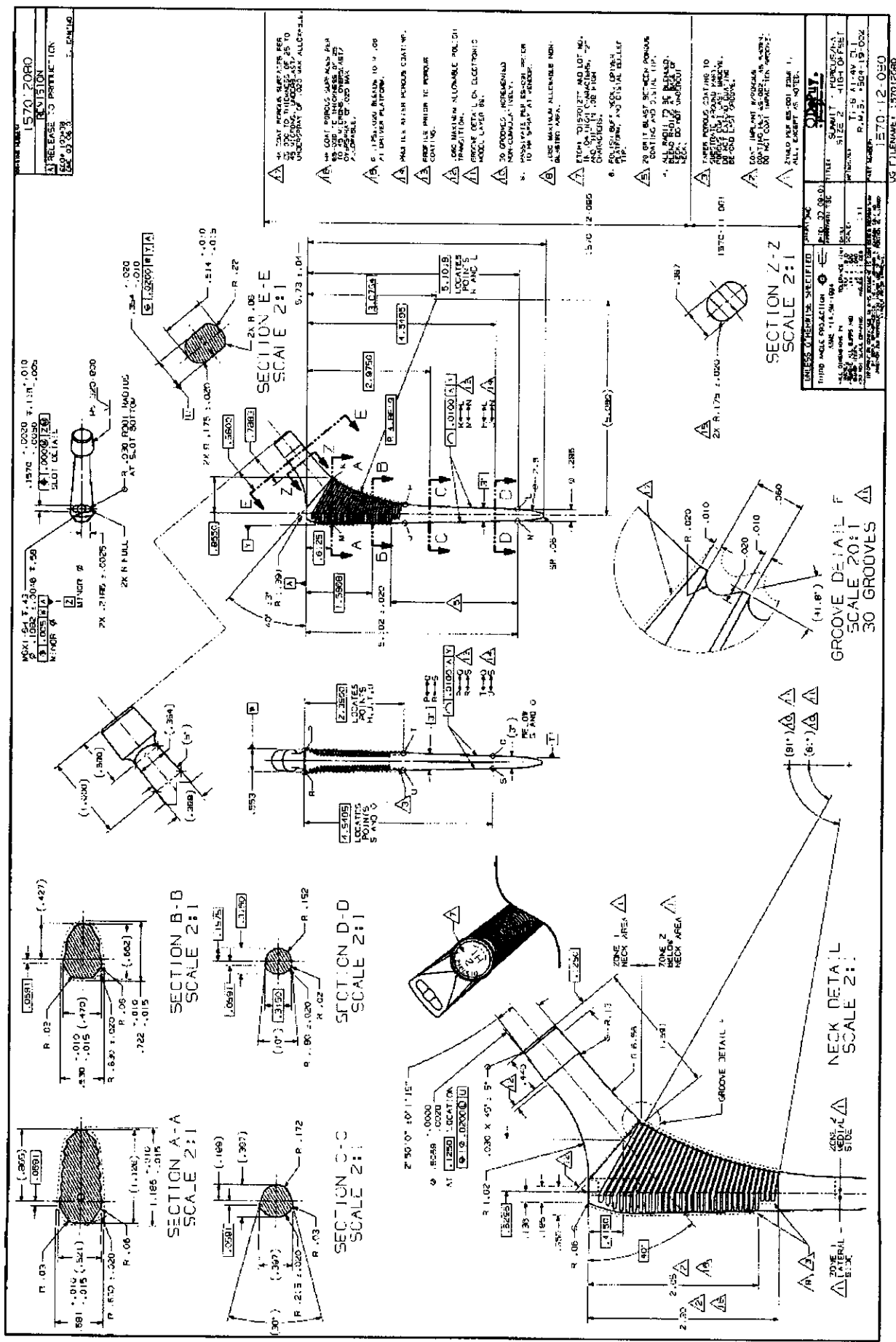
Printed By: Dave Temple

Number: 044-0700



Status: Production

Printed By: Dave Temple



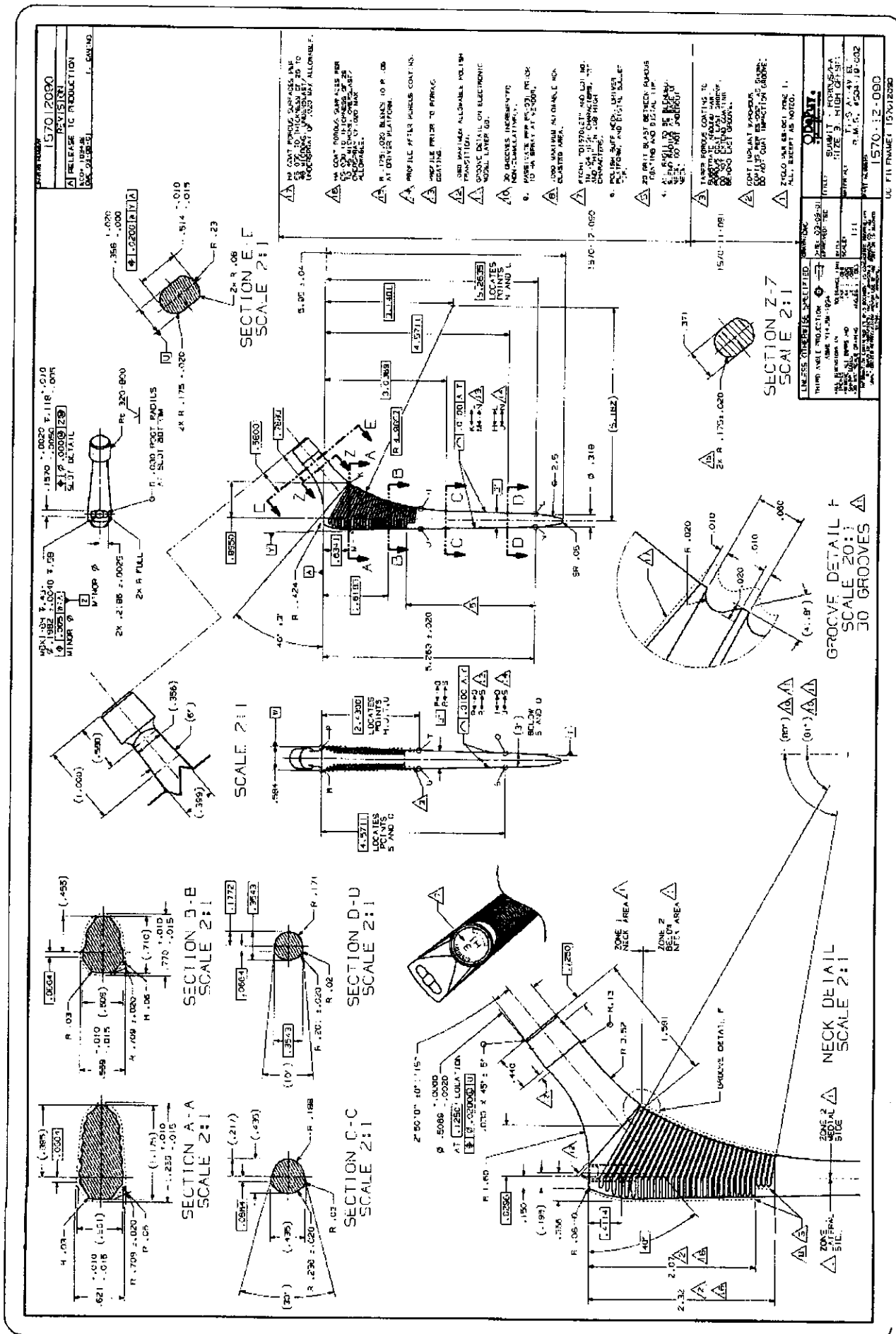
Rev: A ECO103438

Number: DWG-157002070

DEPUY ROUVIERE 0000647

Printed By: Dave Temple

Status: Production



Number: DWG-157002070

Rev: A ECO103438

Results

Surface Analysis

Scanning electron micrographs revealed minimal pore obstruction by the HA coating (Fig. 2). From SEM images it has been estimated that the surface pore size was reduced by 10-20 %. Figure 2: (a) Porocoat (PC); (b) HA coated Porocoat (PCHA); (c) Grit blasted (GB); (d) HAp coated grit blasted (GBHA); (e) Smooth (S).

Figure 2a Porocoat (PC);

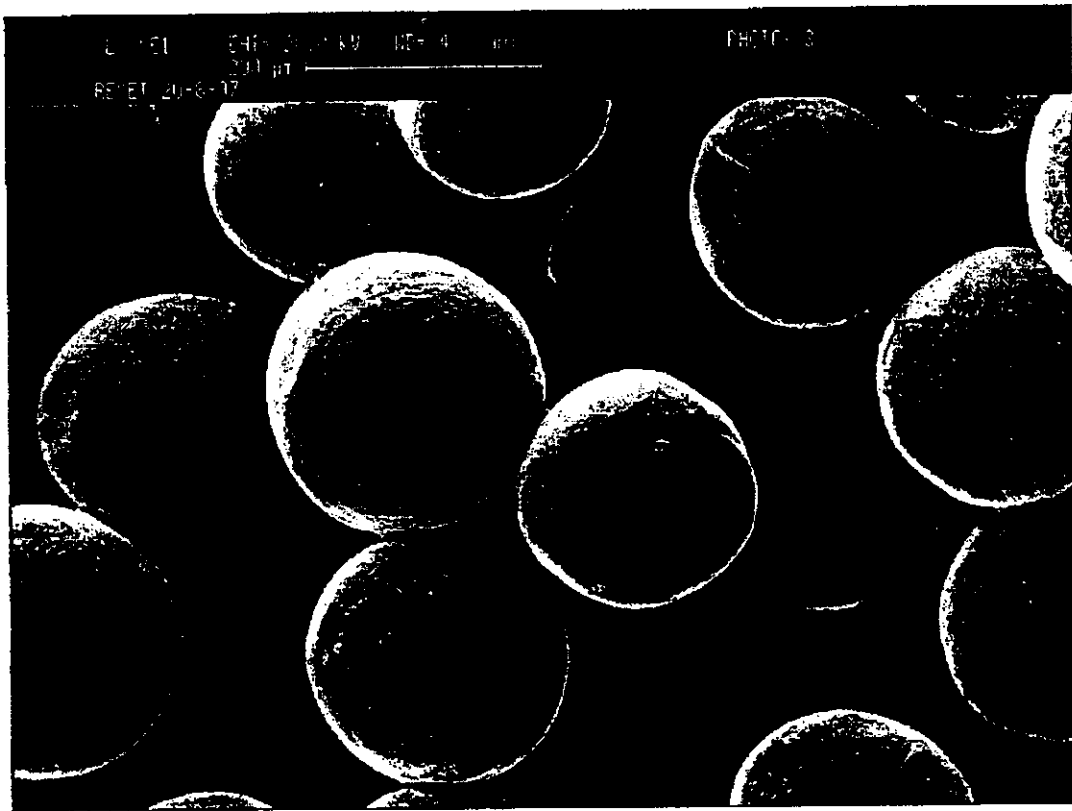


Figure 2b HA coated Porocoat (PCHA);

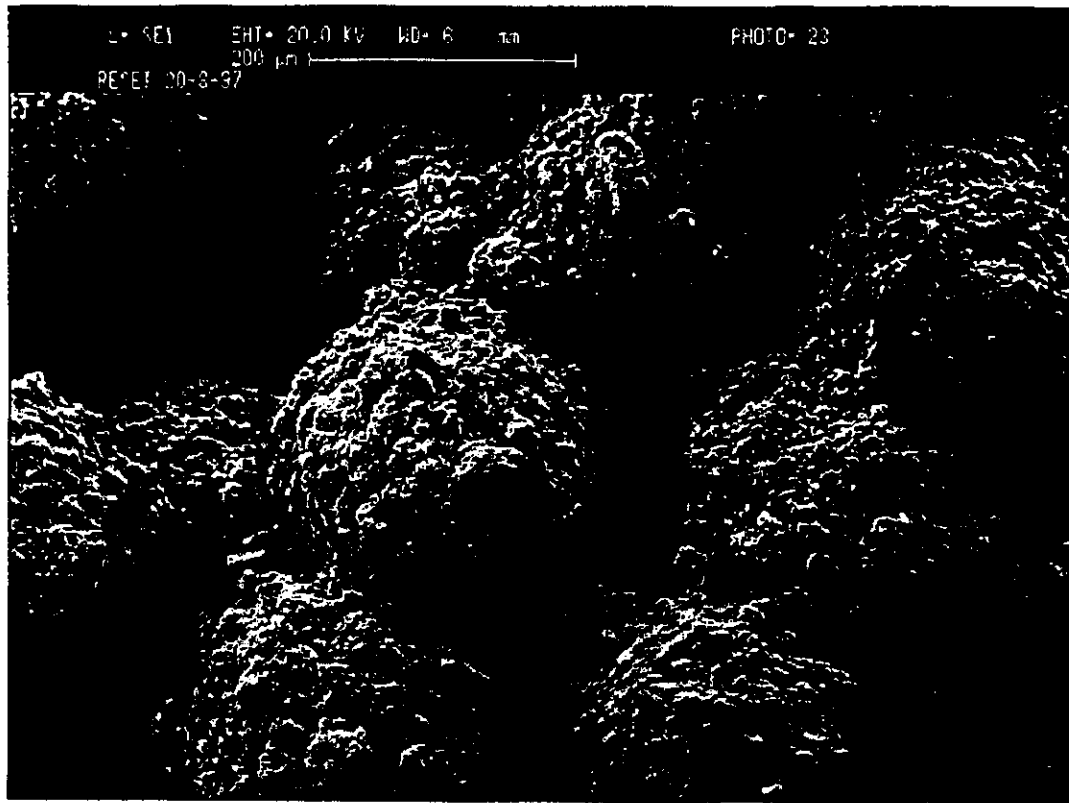


Figure 2c Grit blasted (GB);

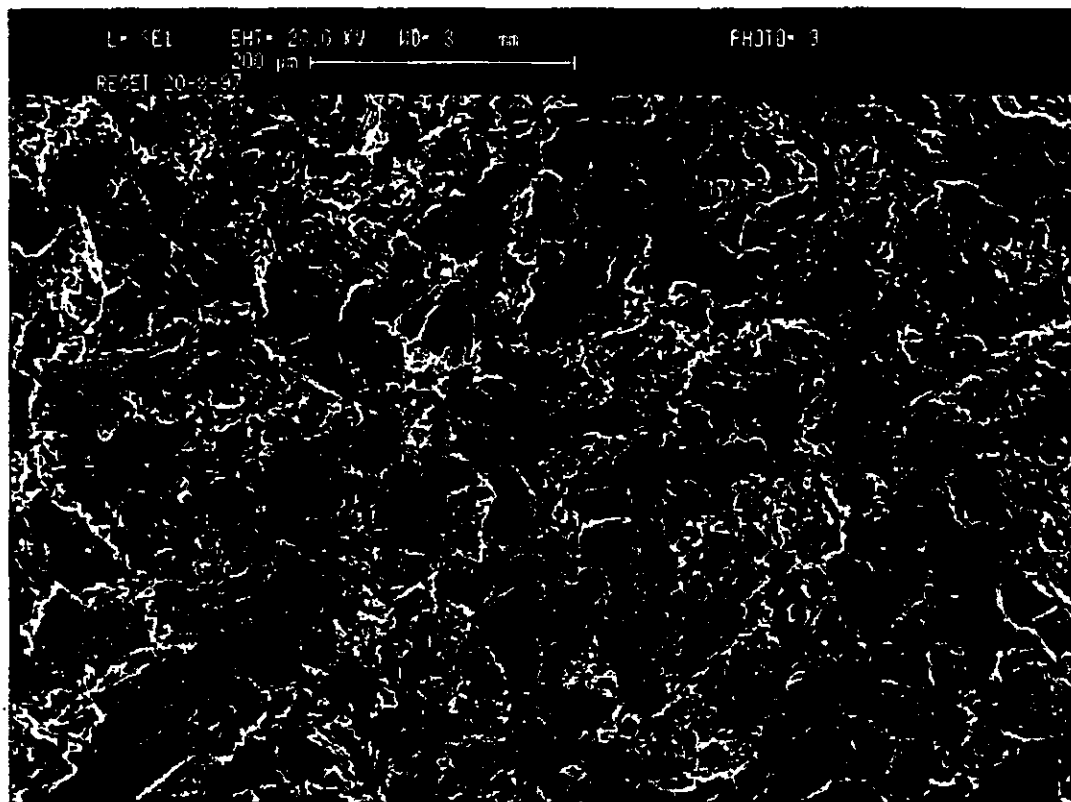


Figure 2d – HA coated grit blasted (GBHA);

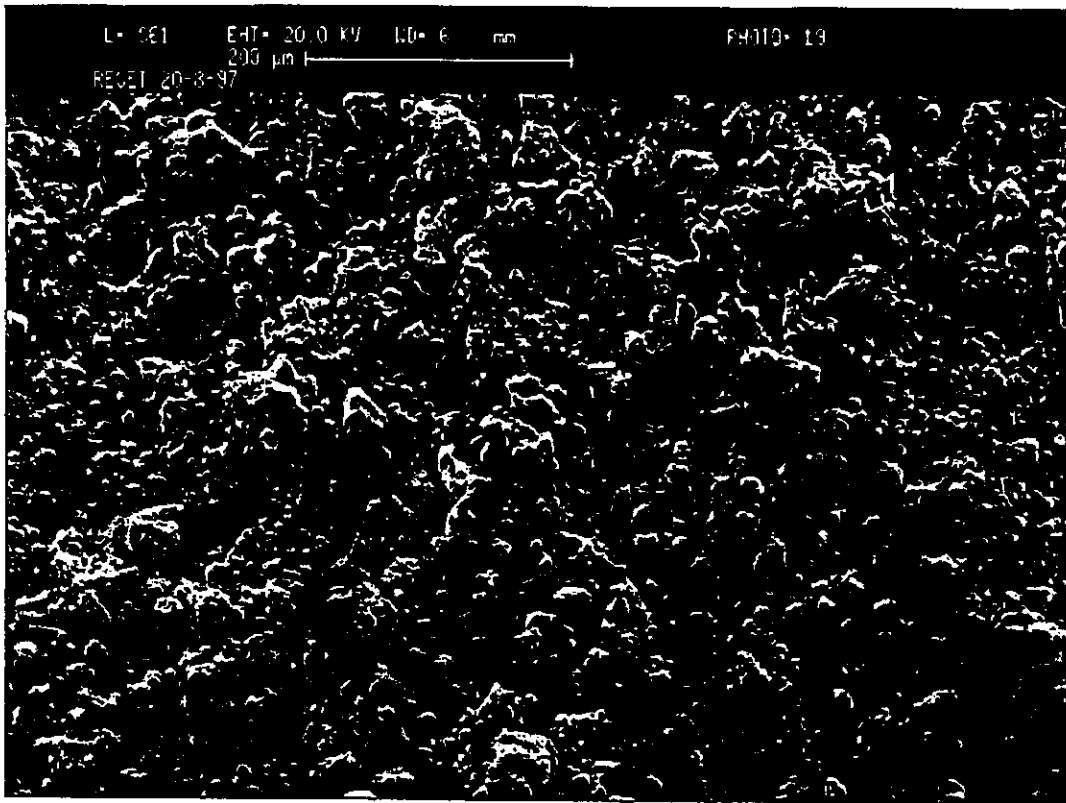
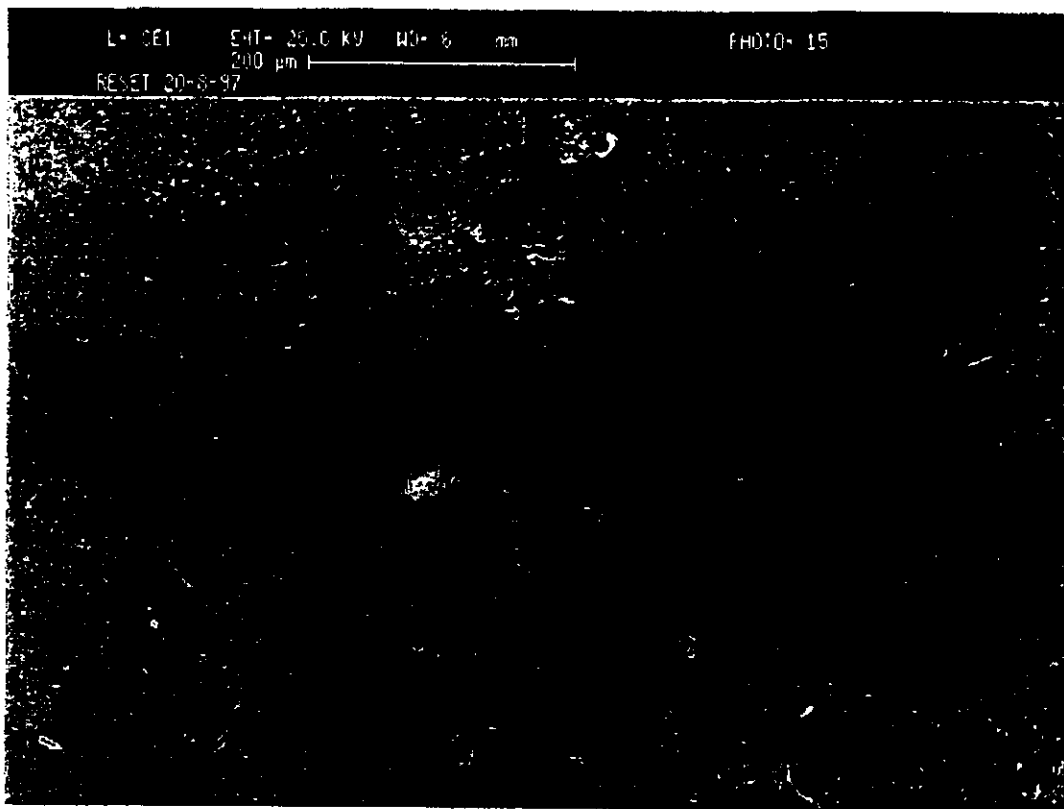


Figure 2e - Smooth (S)



| Sum of Units Part Number | Part Number | Part Country | Year | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Grand Total |
|-----------------------------|---------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------|
| 157012070 | SUMMIT DUOFIX | Australia | | 1 | | | 4 | 2 | | | 1 | 6 | 1 | 3 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 28 |
| | | Belgium | | | | | | | 2 | 3 | 4 | 5 | 7 | | 1 | | | | | | | 24 |
| | | Ethicon Exp Affiliate | | | | | | | | | | | | | | | | | | | | 2 |
| | | Great Britain | | | | 1 | | 5 | 1 | | 1 | 2 | 4 | 2 | 1 | | | | 1 | 1 | 5 | 3 |
| | | Latin America | | | | | | | | | 2 | 2 | 3 | 1 | 2 | 5 | | | | | | 27 |
| | | Luxembourg | | | | | | | | | | | | | | | | | | | | 15 |
| | | Mexico | | | | | | | | | | | | 1 | | | | | | | | 1 |
| | | New Zealand | | | 1 | | | | | | 1 | 1 | 2 | | 1 | | | 4 | 4 | 4 | 2 | 14 |
| | | South Africa | | | | | | | 8 | 3 | 8 | 9 | 5 | 12 | 20 | 13 | 7 | 9 | 7 | 1 | 1 | 8 |
| | | Spain | | 1 | | | | | 2 | 3 | 5 | 4 | | | | | | | | | | 113 |
| | | Turkey | | | | | | | 12 | | 4 | | 3 | | 2 | 4 | 2 | 1 | | 1 | | 16 |
| | | United Arab Emirates | | | | | | | | | 1 | | | | 2 | | | 2 | | | | 32 |
| | | US | | 1 | 5 | 9 | 10 | 21 | 24 | 34 | 37 | 48 | 57 | 48 | 39 | 46 | 23 | 39 | 35 | 39 | 44 | 6 |
| Grand Total | | | | 1 | 5 | 11 | 15 | 31 | 49 | 44 | 63 | 72 | 84 | 65 | 69 | 70 | 34 | 57 | 49 | 58 | 62 | 559 |

| Country | Part Numbe | Part Number | Description | Units | Year | Quarter | Month |
|---------------|------------|-------------|-----------------------|--------|-------------|-------------|--------|
| US | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 1.0000 | 2017 4Q2017 | 2017 4Q2017 | Oct-17 |
| US | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 1.0000 | 2017 4Q2017 | 2017 4Q2017 | Oct-17 |
| US | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 1.0000 | 2017 4Q2017 | 2017 4Q2017 | Nov-17 |
| US | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 1.0000 | 2017 4Q2017 | 2017 4Q2017 | Dec-17 |
| US | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 2.0000 | 2017 4Q2017 | 2017 4Q2017 | Dec-17 |
| US | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 1.0000 | 2017 4Q2017 | 2017 4Q2017 | Dec-17 |
| Great Britain | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 1.0000 | 2017 4Q2017 | 2017 4Q2017 | Oct-17 |
| South Africa | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 1.0000 | 2017 4Q2017 | 2017 4Q2017 | Oct-17 |
| South Africa | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 3.0000 | 2017 4Q2017 | 2017 4Q2017 | Nov-17 |
| US | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 1.0000 | 2017 3Q2017 | 2017 3Q2017 | Sep-17 |
| US | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 2.0000 | 2017 3Q2017 | 2017 3Q2017 | Sep-17 |
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| Great Britain | 157012070 | SUMMIT | DUOFIX TAP SZ1 HI OFF | 1.0000 | 2017 2Q2017 | 2017 2Q2017 | May-17 |
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| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2015 1Q 2015 | Mar 2015 |
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| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2015 2Q 2015 | May 2015 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2015 2Q 2015 | May 2015 |
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| United Arab Emirates | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2.0000 | 2015 2Q 2015 | Apr 2015 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2015 2Q 2015 | Apr 2015 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2.0000 | 2015 2Q 2015 | May 2015 |
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| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2015 3Q 2015 | Aug 2015 |
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|--------------|-----------|------------------------------|---------|--------------|----------|
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| Mexico | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2015 4Q 2015 | Nov 2015 |
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| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2015 4Q 2015 | Dec 2015 |
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| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 1Q 2014 | Feb-2014 |
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| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 1Q 2014 | Mar-2014 |
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| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |

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|---------------|-----------|------------------------------|--------|--------------|----------|
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | May-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | May-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Jun-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2.0000 | 2014 2Q 2014 | Jun-2014 |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 2Q 2014 | Apr-2014 |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 1Q 2014 | Jun-2014 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 1Q 2014 | Jan-2014 |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 1Q 2014 | Feb-2014 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2014 1Q 2014 | Mar-2014 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 4.0000 | 2014 1Q 2014 | Mar-2014 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 48 | 2009 | |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 9 | 2009 | |
| New Zealand | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2009 | |
| Belgium | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2009 | |
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 5 | 2009 | |
| Spain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2009 | |
| Latin America | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 4 | 2009 | |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2009 | |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 5 | 2010 | |
| New Zealand | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 3 | 2010 | |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2010 | |
| Belgium | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 3 | 2010 | |
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 7 | 2010 | |
| Latin America | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 4 | 2010 | |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 3 | 2010 | |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 57 | 2010 | |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 12 | 2011 | |
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2011 | |
| Luxembourg | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2011 | |
| Latin America | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2011 | |
| | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2011 | |

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|-----------------------|-----------|------------------------------|-------|------|
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 48.00 | 2011 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 20 | 2012 |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2012 |
| United Arab Emirates | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2012 |
| Belgium | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2012 |
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2012 |
| Latin America | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2012 |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2012 |
| New Zealand | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2012 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 39 | 2012 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 13 | 2013 |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 4 | 2013 |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2013 |
| Latin America | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 5 | 2013 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 46 | 2013 |
| Belgium | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 4 | 2008 |
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2008 |
| Spain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 5 | 2008 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 8 | 2008 |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 6 | 2008 |
| New Zealand | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2008 |
| United Arab Emirates | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2008 |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 4 | 2008 |
| Latin America | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2008 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 37 | 2008 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2001 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 5 | 2002 |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2003 |
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2003 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 9 | 2003 |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 4 | 2004 |
| Spain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2004 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 10 | 2004 |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2005 |
| Ethicon Exp Affiliate | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2005 |

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|----------------------|-----------|------------------------------|---------|------|------------------|
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 5 | 2005 | 1 March 2018 |
| New Zealand | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2005 | 1 February 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 21 | 2005 | 1 January 2018 |
| Belgium | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2006 | 2 June 2018 |
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2006 | 2 May 2018 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 8 | 2006 | 2 April 2018 |
| Spain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2 | 2006 | 3 September 2018 |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 12 | 2006 | 3 August 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 24 | 2006 | 4 December 2018 |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1 | 2007 | 1 March 2018 |
| Belgium | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 3 | 2007 | 3 July 2018 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 3 | 2007 | 3 August 2018 |
| Spain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 3 | 2007 | 4 October 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 34 | 2007 | 3 July 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 4.0000 | 2018 | 3 September 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 6.0000 | 2018 | 3 August 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 5.0000 | 2018 | 4 December 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 3.0000 | 2018 | 4 November 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 6.0000 | 2018 | 4 October 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2.0000 | 2018 | 1 February 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 5.0000 | 2018 | 3 July 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 8.0000 | 2018 | 4 December 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2.0000 | 2018 | 1 March 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 3 August 2018 |
| US | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2.0000 | 2018 | 4 October 2018 |
| Mexico | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2.0000 | 2018 | 3 July 2018 |
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 3 September 2018 |
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 1 March 2018 |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 3 August 2018 |
| Belgium | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 4 October 2018 |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 3 July 2018 |
| United Arab Emirates | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 3 September 2018 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 1 March 2018 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | -1.0000 | 2018 | 3 August 2018 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | |

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|---------------|-----------|------------------------------|--------|------|------------------|
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 1 February 2018 |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 3 September 2018 |
| Australia | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 1 March 2018 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 2 April 2018 |
| Belgium | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 1 March 2018 |
| Turkey | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 3 July 2018 |
| Great Britain | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 1.0000 | 2018 | 3 September 2018 |
| South Africa | 157012070 | SUMMIT DUOFIX TAP SZ1 HI OFF | 2.0000 | 2018 | 4 October 2018 |

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|------------------------|--|--------------------|--|--------------------|--|
| DATE: 3/2/20 | | SCRAP | | 484654 | |
| PART NUMBER | | DESCRIPTION | | SCRAP QTY | |
| SCRAP WORK ORDER | | OPERATION NO. | | CURRENT WORK CTR. | |
| RAW MATERIAL NO. | | RAW MATERIAL | | CAUSE WORK CTR. | |
| AREA OF RESPONSIBILITY | | DEFECT CODE | | CAUSE W/C APPROVAL | |
| 1. INITIALS/CL NO. | | 2. INITIALS/CL NO. | | 3. INITIALS/CL NO. | |
| 4. INITIALS/CL NO. | | 5. INITIALS/CL NO. | | 6. INITIALS/CL NO. | |

REDA HARP CORP. - SCRAP CASE/FINAL DISPOSITION